

# Cosmic Epoxy EH61

Epoxy; Epoxide  
Cosmic Plastics, Inc.

Message:

DESCRIPTION  
Cosmic EH61 is an iron filled epoxy molding compound which is supplied in a granular form.

FEATURES  
This material flows easily under low pressure and provides good moldability.

APPLICATIONS  
The material is good for EMI / RFI shielding, and can be either compression or transfer molded to fabricate core rods and to encapsulate surface mount and axial leaded inductors. This single molded compound eliminates the labor intensive over-under molding.

| General Information    |                                 |
|------------------------|---------------------------------|
| Filler / Reinforcement | Iron                            |
| Features               | Electromagnetic shielding (EMI) |
|                        | Good formability                |
|                        | Good liquidity                  |
|                        | Radio frequency shielding (RFI) |
| Appearance             | Black                           |
| Forms                  | Particles                       |
| Processing Method      | Enclosure                       |
|                        | Resin transfer molding          |
|                        | Compression molding             |

| Physical         | Nominal Value | Unit              |
|------------------|---------------|-------------------|
| Specific Gravity | 3.69          | g/cm <sup>3</sup> |
| Bulk Factor      | 2.5           |                   |
| Spiral Flow      | 25.0 - 35.0   |                   |

| Thermoset              | Nominal Value | Unit |
|------------------------|---------------|------|
| Shelf Life (5°C)       | 17            | wk   |
| Post Cure Time (160°C) | 2.0 - 4.0     | hr   |

| Additional Information                                       |  |
|--|--|
| Inductance Ls (μH) : 0.65 - 0.70Quality Factor : 12.3 - 13.4 |  |

| Injection              | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 130 - 180     | °C   |
| Injection Pressure     | 0.345 - 5.52  | MPa  |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

# Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

